

## **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions, and listings, of claims in the application:  
What is claimed is:

1. (Withdrawn) Genes for diagnosing colorectal cancer, the gene sequences searching comprising the steps of:
  - (1) deriving epithelium cells from normal intestines, polypus of intestines and colorectal cancer tissue;
  - (2) collecting genes with highly differential gene expression by Suppression Subtractive Hybridization (SSH), and building library ;
  - (3) deriving colonies with relatively high signal intensities from cancer tissue;
  - (4) collecting more clinically cancer tissues by Northern Hybridization, real-time Polymerase Chain Reaction (PCR) combined with analysis of bioinformation to affirm variation between differential gene expression; and
  - (5) selecting the most suitable genes from said library.

2. (Currently amended) Genes for diagnosing colorectal cancer, the gene sequences are selected from the group consisting of:

- (1) A gene sequence as set forth in HS ID: Hs.107213  
and Acc No.: BC027178;
- (2) A gene sequence as set forth in HS ID: Hs.123107  
and Acc No.: NM\_002257;
- (3) A gene sequence as set forth in HS ID: Hs.1369 and  
Acc No.: NM\_000574;
- (4) A gene sequence as set forth in HS ID: Hs.151254  
and Acc No.: NM\_005046;
- (5) A a gene [[gene]] sequence as set forth in Sig. ID  
No. 5. HS ID: Hs.1526 and Acc No.: NM\_001681;
- (6) A gene sequence as set forth in HS ID: Hs.184270  
and Acc No.: NM\_006135;
- (7) A gene sequence as set forth in HS ID: Hs.2043 and  
Acc No.: NM\_001151;
- (8) A gene sequence as set forth in HS ID: Hs.267871  
and Acc No.: NM\_005177;
- (9) A gene sequence as set forth in HS ID: Hs.4935 and  
Acc No.: D79998;
- (10) A gene sequence as set forth in HS ID: Hs.5509

- and Acc No.: NM\_006495;
- (11) A gene sequence as set forth in HS ID: Hs.5662  
and Acc No.: NM\_006098;
- (12) A gene sequence as set forth in HS ID: Hs.75990  
and Acc No.: NM\_005143;
- (13) A gene sequence as set forth in HS ID: Hs.83384  
and Acc No.: NM\_006272;
- (14) A gene sequence as set forth in HS ID:  
Hs.10029 and Acc No.: NM\_001814;
- (15) A gene sequence as set forth in HS ID: Hs.103982  
and Acc No.: NM\_005409;
- (16) A gene sequence as set forth in HS ID: Hs.12314  
and Acc No.: AL049397;
- (17) A gene sequence as set forth in HS ID: Hs.150557  
and Acc No.: NM\_001206;
- (18) A gene sequence as set forth in HS ID: Hs.169266  
and Acc No.: NM\_000909;
- (19) A gene sequence as set forth in HS ID: Hs.1827 and  
Acc No.: NM\_002507;

- (20) A gene sequence as set forth in HS ID: Hs.1869 and Acc No.: NM\_002633;
- (21) A gene sequence as set forth in HS ID: Hs.194148 and Acc No.: NM\_005433;
- (22) A gene sequence as set forth in HS ID: Hs.2352 and Acc No.: X74210;
- (23) A gene sequence as set forth in HS ID: Hs.246885 and Acc No.: NM\_017958;
- (24) A gene sequence as set forth in HS ID: Hs.29665 and Acc No.: NM\_014944;
- (25) A gene sequence as set forth in HS ID: Hs.3235 and Acc No.: NM\_002272;
- (26) A gene sequence as set forth in HS ID: Hs.55209 and Acc No.: AF327354;
- (27) A gene sequence as set forth in HS ID: Hs.585 and Acc No.: NM\_000384;
- (28) A gene sequence as set forth in HS ID: Hs.62187 and Acc No.: AF022913;
- (29) A gene sequence as set forth in HS ID: Hs.63290

- and Acc No.: NM\_012260 ;
- ( 30 ) A gene sequence as set forth in HS ID: Hs.699 and  
Acc No.: NM\_000942 ;
- ( 31 ) A gene sequence as set forth in HS ID: Hs.74111  
and Acc No.: NM\_007367 ;
- ( 32 ) A gene sequence as set forth in HS ID: Hs.75103  
and Acc No.: NM\_003406 ;
- ( 33 ) A gene sequence as set forth in HS ID: Hs.75117  
and Acc No.: NM\_004515 ;
- ( 34 ) A gene sequence as set forth in HS ID: Hs.75236  
and Acc No.: NM\_021952 ;
- ( 35 ) A gene sequence as set forth in HS ID: Hs.75258  
and Acc No.: NM\_004893 ;
- ( 36 ) A gene sequence as set forth in HS ID: Hs.75498  
and Acc No.: NM\_004591 ;
- ( 37 ) A gene sequence as set forth in HS ID: Hs.76913  
and Acc No.: NM\_002790 ;
- ( 38 ) A gene sequence as set forth in HS ID: Hs.79889  
and Acc No.: NM\_012329;

- (39) A gene sequence as set forth in HS ID:  
Hs.82173 and Acc No.: NM\_005655;
- (40) A gene sequence as set forth in HS ID: Hs.84072  
and Acc No.: NM\_004616;
- (41) A gene sequence as set forth in HS ID: Hs.85146  
and Acc No.: NM\_005239;
- (42) A gene sequence as set forth in HS ID:  
Hs.85844 and Acc No.: NM\_002529;
- (43) A gene sequence as set forth in HS ID: Hs.88219  
and Acc No.: NM\_003454;
- (44) A gene sequence as set forth in HS ID: Hs.88219  
and Acc No.: NM\_006350;
- (45) A gene sequence as set forth in HS ID: Hs.169319  
and Acc No.: NM\_003419;
- (46) A gene sequence as set forth in HS ID: Hs.72805  
and Acc No.: NM\_030921;
- (47) A gene sequence as set forth in HS ID: Hs.108301  
and Acc No.: NM\_003297;
- (48) A gene sequence as set forth in HS ID:

- Hs.177926 and Acc No.: NM\_030941;
- (49) A gene sequence as set forth in HS ID:  
Hs.194746 and Acc No.: NM\_018896;
- (50) A gene sequence as set forth in HS ID:  
Hs.209061 and Acc No.: NM\_003831;
- (51) A gene sequence as set forth in HS ID: Hs.25087  
and Acc No.: NM\_006070;
- (52) A gene sequence as set forth in HS ID: Hs.3017  
and Acc No.: NM\_003284;
- (53) A gene sequence as set forth in HS ID: Hs.283664  
and Acc No.: NM\_032466;
- (54) A gene sequence as set forth in HS ID: Hs.283664  
and Acc No.: NM\_032467;
- (55) A gene sequence as set forth in HS ID:  
Hs.171992 and Acc No.: NM\_002843;
- (56) A gene sequence as set forth in HS ID: Hs.155172  
and Acc No.: NM\_003664;
- (57) A gene sequence as set forth in HS ID:  
Hs.183418 and Acc No.: M37712;

- (58) A gene sequence as set forth in HS ID: Hs.244473  
and Acc No.: NM\_031900;
- (59) A gene sequence as set forth in HS ID: Hs.12835  
and Acc No.: NM\_004842;
- (60) A gene sequence as set forth in HS ID: Hs.1650  
and Acc No.: NM\_000111;
- (61) A gene sequence as set forth in HS ID: Hs.29981  
and Acc No.: NM\_000112;
- (62) A gene sequence as set forth in HS ID: Hs.2246  
and Acc No.: NM\_001308;
- (63) A gene sequence as set forth in HS ID: Hs.267871  
and Acc No.: NM\_005177;
- (64) A gene sequence as set forth in HS ID: Hs.75445  
and Acc No.: NM\_004684;
- (65) A gene sequence as set forth in HS ID: Hs.39957  
and Acc No.: NM\_016445;
- (66) A gene sequence as set forth in HS ID: Hs.65029  
and Acc No.: NM\_002048;
- (67) A gene sequence as set forth in HS ID:

- ~~Hs.239926 and Acc No.: NM\_006745;~~
- ~~(68) A gene sequence as set forth in HS ID: Hs.59271  
and Acc No.: NM\_006758;~~
- ~~(69) A gene sequence as set forth in HS ID: Hs.8867  
and Acc No.: NM\_001554;~~
- ~~(70) A gene sequence as set forth in HS ID: Hs.50123  
and Acc No.: NM\_003452; and~~
- ~~(71) A gene sequence as set forth in HS ID: Hs.82071  
and Acc No.: NM\_006079.~~

3. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a testing reagent for detecting colorectal cancer.

4. (Currently amended) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are present on [[to]] a testing biochip for detecting colorectal cancer.

5. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a medicine for

detecting colorectal cancer.

6. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a protein testing reagent for detecting colorectal cancer.

7. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a protein for curing medicine of colorectal cancer.

8. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a vaccine for detecting colorectal cancer.

9. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.107213 and Acc No.: BC027178.

10. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.123107 and Acc No.: NM\_002257.

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as set forth in HS ID : Hs.209061 and Acc No.: NM\_003831.

59. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID : Hs.25087and Acc No.: NM\_006070.

60. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID:Hs.3017and Acc No.:NM\_003284.

61. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID Hs.283664:and Acc No.: NM\_032466.

62. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.283664 and Acc No.:NM\_032467.

63. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.171992 and Acc No:  
NM\_002843.

64. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.155172 and Acc No: NM\_003664.

65. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.183418 and Acc No: M37712.

66. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.244473 and Acc No: NM\_031900.

67. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.12835 and Acc No: NM\_004842.

68. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.1650 and Acc No: NM\_000111.

69. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.29981 and Acc No.: NM\_000112.

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74. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.65029 and Acc No.: NM\_002048.
75. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.239926 and Acc No.: NM\_006745.

76. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.59271 and Acc No.: NM\_006758.

77. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.8867 and Acc No.: NM\_001554.

78. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.50123 and Acc No.: NM\_003452.

79. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.82071 and Acc No.: NM\_006079.